



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE Attorney Docket No. 03248.00038

In the Application of:	
Mulligan et al.	) )
Serial No. 10/005,084	Examiner: (TBA)
Filed: December 4, 2001	) Art Unit: 1774
For: Aligned Composite Structures for Mitigation of Impact Damage and Resistance to Wear In Dynamic Environments	1)

Commissioner for Patents Washington DC 20231

#### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. Section 1.97-1.98, applicants wish to make the following references of record in the above identified application. Copies of the references cited below are enclosed. The references also are listed on the enclosed and completed Form PTO/SB/08A. The references listed below were cited in an International Patent Office Search Report dated February 25, 2003 (copy enclosed) in the corresponding International Application No. PCT/US02/38804, and from International Search Reports dated February 28, 2003 and March 6, 2003 (copies enclosed) from co-pending applications (Serial No. 10/005,656, and 10/005,683) both of which are directed to similar subject matter as the present application. These references may be material to the patentability of the presently pending claims.

This Information Disclosure Statement is filed under 37 C.F.R. § 1.97(b) before the mailing of a first Office Action on the merits. Accordingly, it is believed there is no fee due for filing this Information Disclosure Statement. Additionally, this Information Disclosure

Atty Docket: 03248.00038

Statement is filed under 37 C.F.R. § 1.97(e) and contains information first cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS.

### **REFERENCES**

#### **U.S. Publications**

1.	20020237384	Mulligan et al.	September 12, 2002
2.	20020154741	Rigali et al	October 24, 2002
Patents			

#### U.S.

3.	5,053,092	Lachman	October 1, 1991
4.	5,398,193	Deangelis	May 14, 1995
5.	5,588,997	Lysson et al.	December 31, 1996
6.	5,679,157	Milliman	October 21, 1997

### Other Prior Art - Non Patent Literature Documents

- 7. PCT International Search Report mailed February 25, 2003, (PCT/US02/38804).
- 8. PCT International Search Report mailed February 28, 2003, (PCT/US02/38654).
- 9. PCT International Search Report mailed March 6, 2003, (PCT/US02/38680).

Please charge any fees or credit any overpayment associated with this paper to Deposit Account No. 19-0733.

> Respectfully submitted BANNER & WITCOFF, LTD.

March 27, 200**3** 

Rebecca P. Rokos Reg. No. 42,109

PTO/SB/08B(10-01) -

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

MAR 2 7 2003 on Under the Paperwor

Sheet

2

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of

Complete if Known				
Application Number	10/005,084			
Filing Date	December 4, 2001			
First Named Inventor	Mulligan et al.			
Group Art Unit	1774			
Examiner Name	TBA			
Attorney Docket Number	03248.00038			

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS				
Examiner Initials * Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issinumber(s), publisher, city and/or country where published.		T <sup>2</sup>		
		PCT International Search Report mailed February 25, 2003, (PCT/US02/38804).		
		PCT International Search Report mailed February 28, 2003, (PCT/US02/38654).		
		PCT International Search Report mailed March 6, 2003, (PCT/US02/38680).		
		:		
			73	
	!			

Examiner	Date	
Signature	Considered	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

e for form 1449A/PTO Substiff ORMATION DISCLOSURE TEMENT BY APPLICANT

Complete if Known **Application Number** 10/005.084 Filing Date December 4, 2001 First Named Inventor Mulligan et al. **Group Art Unit** 1774 **Examiner Name TBA** 

(use as many sheets as necessary)

Sheet of 03248.00038 2 Attorney Docket Number

			U.S. PATENT	DOCUMENTS	
Examiner Cite		Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
Initials *	Cite No.1	Number - Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear
		US-20020237384	09/12/02	Mulligan et al.	
		US- 20020154741	10-24-02	Rigali et al	
		US- 5,053,092	10-01-91	Lachman	
		US- 5,398,193	05-14-95	Deangelis	
		US- 5,588,997	12-31-96	Lysson et al	
		US- 5,679,157	10-21-1997	Milliman	
		US-			,
		US-			
	l .	US-			

	FOREIGN PATENT DOCUMENTS						
Examiner Cite Foreign P		Foreign Patent Document	n Patent Document Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant		
Initials*	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Date MM-DD-YYYY	Date Applicant of Cited	Of Cited   D		
						-	
			_				

Examiner Signature	Date Considered	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <u>www.uspto.gov</u> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



### Certificate of Mailing by Express Mail under 37 CFR 1.10

Express Mail No.: EV217645836US

Date Deposited: March 27, 2003

I hereby certify that the attached correspondence, identified below, is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" under 37 CFR § 1.10 on the date indicated above in an envelope addressed to:

U.S. Patent and Trademark Office

Washington, D.C. 22202

Bv: X

(person *actually* depositing)

Application Number:

10/005,084

Filing Date:

December 4, 2001

First Named Inventor:

Anthony C. Mulligan, et al.

Group Art Unit:

1774

Examiner Name:

Not Yet Assigned

Attorney Docket No.

03248.00038

1. Transmittal (in duplicate)

2. Supplemental Information Disclosure Statement

- 3. PTO/SB/08A form
- 4. 6 references
- 5. 3 International Search Reports dated February 25, 2003, February
- 28, 2003, and March 6, 2003
- 5. Return Post Card

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.